

The Passaic River Study Area

United States Environmental Protection Agency, Region II

Status of PRP Search and Issuance of Notice Letters

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For Chemical Land Holdings, Inc., on behalf of Occidental Chemical Corporation (successor to Diamond Shamrock Chemicals Company, f/k/a Diamond Alkali Company)

February, 2001

DAL:281196.1

Tab	PRP Name	Document(s): Summary
5	Sequa Corporation	
A		July 26, 2000 New Jersey Department of the Treasury, Division of Revenue Status Report for Sequa Corporation indicating Sun Chemical as previous name.
В		Excerpt from 1978 "City of Newark Feasibility Study - Pollution Abatement Program." Documents malfunctioning regulator and CSO which allowed both dry and wet weather overflows from the Roanoke Avenue CSO.
С		Graphical depiction of Sun Chemical discharge mechanism. Illustrates Sun Chemical discharge route via Roanoke Ave. CSO outfall; documents "highly polluting" discharges to river.
		(See also the Sun Chemical information located in: The Passaic River Study Area, United States Environmental Protection Agency, Region II, Status of PRP Search and Issuance Notice Letters, February, 2001.)

GENERATOR: Sequa Corporation [f/k/a Sun Chemical Corporation ("Sun 1")] EVIDENCE SUMMARY SHEET

(By shipment/disposal or collective group(s) of shipments/disposals)

Current Name, Mailing Address, and Telephone:

Sequa Corporation 200 Park Avenue New York, NY 10166 [Telephone: 212-986-5500]

References:

NJ Dep't. of Treasury records; shows prior corporate name was Sun Chemical Corporation.

Facility location: 185 Foundry Street, Newark. See attached Site Location Map showing facility location in proximity to the Passaic River.

Date or time period of shipment(s) or disposal(s):

<u>Direct/Indirect Discharges:</u> 1967-1986 -- Plant waste effluent through the Roanoke Avenue CSO, through the permanently malfunctioning Avenue P regulator, to the Passaic River (same rationale as for EPA's having issued PRP Notice letters prior to DuPont, Reilly, and Ashland).

PVSC documents regarding Avenue P regulator; PVSC Annual Reports 1972-1974*.

Transporter: City of Newark and/or PVSC – to the extent of contaminated discharges carried through Roanoke Avenue line, through Avenue P regulator directly to the Passaic River.

PVSC documents.

Volume or quantity: Not susceptible to precise calculation due to irregular and intermittent nature of discharges. However, the same types of substances known to be at the Subject's facility have been detected at significant levels in Passaic River sediments near the Subject's facility.

Above references; Sediment data previously submitted to USEPA.*

Name of Hazardous Substance(s) [and RCRA waste codes, if applicable] (See 40 CFR Sec. 302.4):

PCBs, Class III dioxin precursor [1,2,4 trichlorobenzene], Chromium, Copper, Lead, Nickel, Zinc, Cyanide, Phenols [U188], Benzene [U109], Bis (2-ethylhexyl) phthalate [U028], 2-Butanone [U159], Di-n-butylphthalate [U069], Methylene Chloride [U080], Napthalene [U165], Toluene [U220], Xylenes [U239].

ECRA sampling (post 1986); PVSC 1980 Sewer Connection Application; 1976 Waste Effluent Survey.*

Substances like the generator's that are found in the Passaic River:

Many of the above were detected at significant levels in sediments in the vicinity of the Subject's facility. Analyses were not done for some.

Sediment data previously submitted to USEPA.*

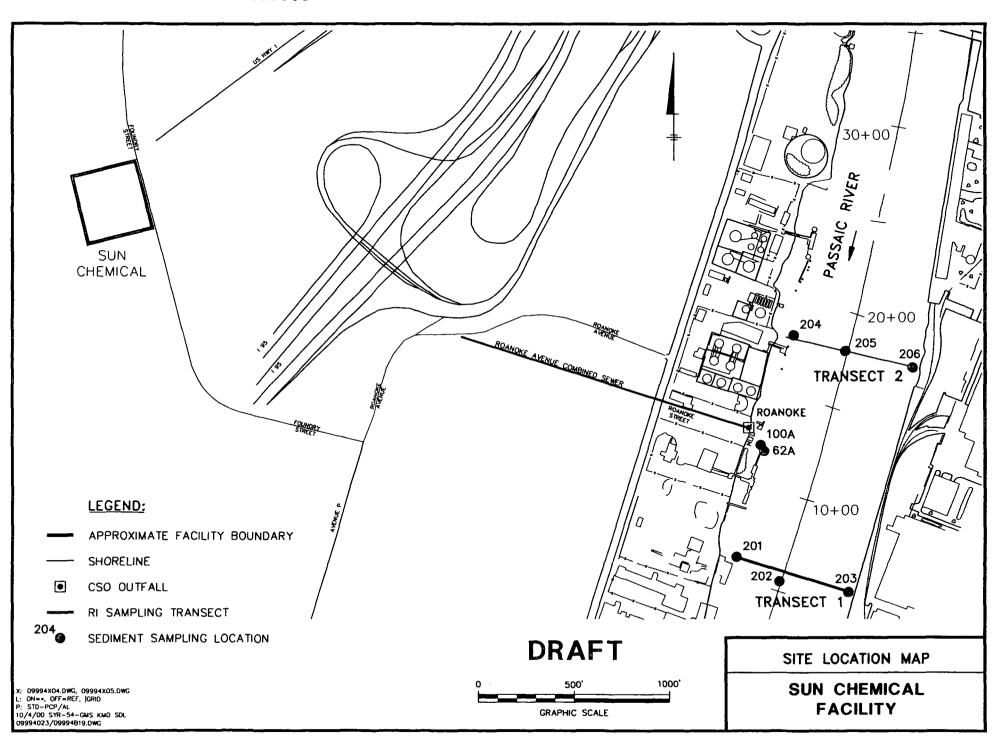
Name, Mailing Address and Telephone of Registered Agent:

Delaware: CT Corporation System 209 Orange Street Wilmington, DE 19801

NJ Dep't. of Treasury records.

New Jersey: CT Corporation System 820 Bear Tavern Road West Trenton, NJ 08628

* See "Sun Chemical Corporation (Sun 2)" reference materials section.



SEQUA CORPORATION

TAB A

July 26, 2000 New Jersey Department of the Treasury, Division of Revenue Status Report for Sequa Corporation indicating Sun Chemical as previous name.

New Jersey Department of the Treasury, Division of Revenue

Status Report For:

Business	Business ID	Transaction	Report	
Name	Number	Number, Seq	Date	
SEQUA CORPORATION	8680801000	111040 : 1	7/26/2000	

Business Type:	FOREIGN PROFIT CORPORATION
Status:	

Filing Date:	05/07/1929	Home Jurisdiction:	DE
Status Change Date (If dissolved, withdrawn or canceled):		Stock Amount:	0
DOR Suspension Start Date:		DOR Suspension End Date:	
Tax Suspension Start Date:		Tax Suspension End Date:	
Annual Report Month:	4	Last Annual Report Filed: For Last AR Paid Year:	

Incorporator:	
Agent:	THE CORPORATION TRUST COMPANY
Agent Address:	820 BEAR TAVERN ROAD TRENTON, NJ 08628 0000
Office Address Status:	Deliverable

932690008

Main Business Address:	200 PARK AVENUE NEW YORK, NY 10166
Principal Business Address:	3 UNIVERSITY PLAZA HACKENSACK, NJ 07601

Associated Names:

Name SUN CHEMICAL CORPORATION		Type Description PREVIOUS NAME	
Next Status Report	Order A	dditional Business Info	mation

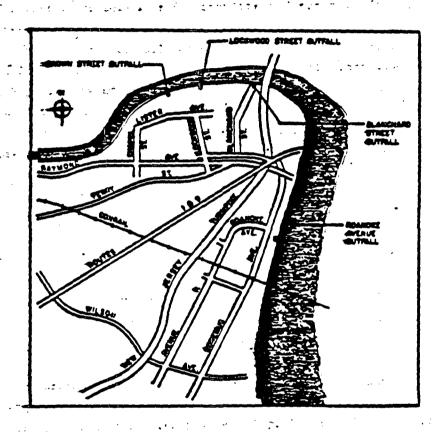
SEQUA CORPORATION

TAB B

Excerpt from 1978 "City of Newark Feasibility Study - Pollution Abatement Program." Documents malfunctioning regulator and CSO which allowed both dry and wet weather overflows from the Roanoke Avenue CSO.

City of Newark, New Jersey
Feasibility Study

POLLUTION ABATEMENT PROGRAM



Clinton Bogert Associates
Consulting Engineers
September, 1978

J. Introduction

Lockwood Street stors severs, and intermittent discharges from the

Brown Street sever. Locks by market, and flow should be discharged

Blanchard Street, Lockwood Street, and Brown Street storm severs, however, high levels of pollutants have been detected in the dry weather discharges at all four locations. The following ranges of pollutant concentrations and pH have been reported by the Passaic Valley Severage Commissioners (PVSC) during the last two-years.

Pollutant Concentration (ppm)

Location	TSS	<u>COD</u>	30D	PR
Acenoke dvenue	5-1428	116-15600	102-6300	2.0-7.3
Blanchard Street	5-1070	51-2815	7-420	1.9-8.2
Lockwood Street	16-3148	119-3408	-8 40	3.3-9.2
-Brown Street	7-93	-42-352	16-135	6.2-9.8

Linguistic Structures of the dry contact of the structure of the structure

Water from the Passaic River may enter all four severs with the Ancoming Side and dilute She pollutant concentration. The pollutants may also be carried epstroam of their entering points. Polluted flow from the sever increases in rate with the falling tide. The highest

-pollutant concentration and flow rates can be expected at low lide.

During this study, camples were obtained within the three store se
were systems at or mear the lines of low lide. The analytical dest

results of these samples are included in Appendix A. Bry Control of an experience along the negative on a constant and servence Case because the assertion country and the James of A good day weights en in en de la estada, all fler an une hannoù e penaga e anañ agun en eur es e siste Establic Torrer instrugen who bresting a committe to Torre The contract of acceptance of the contract of to the control of the first terms of the figure of the first terms of the control at 1 to 2 for the trade of an access weether and the att the tip ten and the THE REPORT OF STATES OF SAME AND AND IN THE SECOND OF SECTION ASSESSMENT OF SAME AND ADDRESS. The account to the experience of the state of the first section of the section of In the control of another wealth caret to have a figure at the care of Standard and the first or the things of the first section of to the section with the last of the term of the contract of the section of the se The same of the same of the communication of the same of Site of the state of the contract of the state of the sta The second state of the second state of the second state of the second s n 2. 144 TATE OF THE PROTECTION OF TANK AND ASSESSMENT OF THE The control of the co The second of th Care in the feet of present to present the second The Followith the transportable greater from the arms of the respect to 1877 beginning Committee of the contract of t APP - La Court of This ends for the Department of the last field of the Lord of the later filter from the Erroman Colonies or Alberto, we self in eggs ye refly Laure are now mint gate that and it the bistonic county The transfer of an energy training to any accounts when

3. Physical Inspection Findings

(1) Avenue "?" Regulator and Roanoke Outfall Sewer

Is no visible evidence of chemical attack or deterioration of the concrete regulator structure. The splitter was a second of the concrete regulator structure. The splitter was a second of the concrete regulator structure. This weir does not cause the upstream pipe to surcharge above the crown in dry ceather. It does reduce upstream flow velocity and causes sedimentation. About 0.5 feet of primarily granular acdiment was found in the combined sever above the regulator. This materials are making and the combined sever above the regulator. This materials are making and the line of the combined sever above the regulator. This materials are making and the line of the combined sever above the regulator. This materials are making and the line of the combined sever above the regulator.

Tests of wet weather flows in other areas indicate the flushing of such colids is accompanied by a large increase in BOD. High tides cause backup, reduce velocities, and cause cediment accumulation in the Roanoke Avenue outfall during dry costher. Some of this material may be carried away by the flow at low tide and some is accoured out by wet ceather flows. About 0.2 feet of primarily granular mediment was found in the outfall cover downstream of the Avenue "?" regulator. The size of this sever changes to 60-inch at a manhole on the ceasterly side of Dorenus Avenue. Mannants of the brick day, mad to divert flow into the Roanoke Avenue regulator, were observed in this manhole. There are two tide gate chambers in the 60-inch outfall. Soth tide gates can swing open but maither can close completely be-

atus telle grade. Guraner wostreen tot brand eine dien etterzee **Ermit** Firmt b no land is dien bres die landte als dieteratrie anderen bestellt in des the tide gate chambers. A lump of bituminous material as marrially blocking the discharge of the 60-inch outfall.

(2) Rosnoke Avenue Sanitary Sever

The 24-inch Boenoke Avenue senitary never does not receive any flow at its upstream and because of the previously described blockage in the Avenue "?" regulator gate chanber. The manhole in the 24-inch -sanitary sever immediately downstream of the regulator contains over two feet of dry mediment. The newer meceives flow from the Pitt Consol Chemical Company downstream of Shat manhole. about 0.5 feet of a black, tar-like mediment was found in the sever downstress of : The Pitt Consol connections. The same black material was observed on the ground surface at the Pitt Consol plant. This material was not -evident apstream of the Avenue "P" regulator or in the Rosnoke Avenue -- sutfall. Its source is evidently Pitt Consol. Sampling and enalysis ...done jointly by the PVSC leboratory and Pitt Consol also detected chemicals used at the plant in the Roanoke Avenue outfall. However, To connections from Pitt Consol were found in the outfall. . Spillage -appears to have contaminated the groundwater and some appears to be leaking into the outfall. Groundwater pollution may also be leaking mirectly into Neverk Bay. Groundwater pollution was not investigated since it was outside the scope of this study.

(3) Doremus Avenue Interceptor

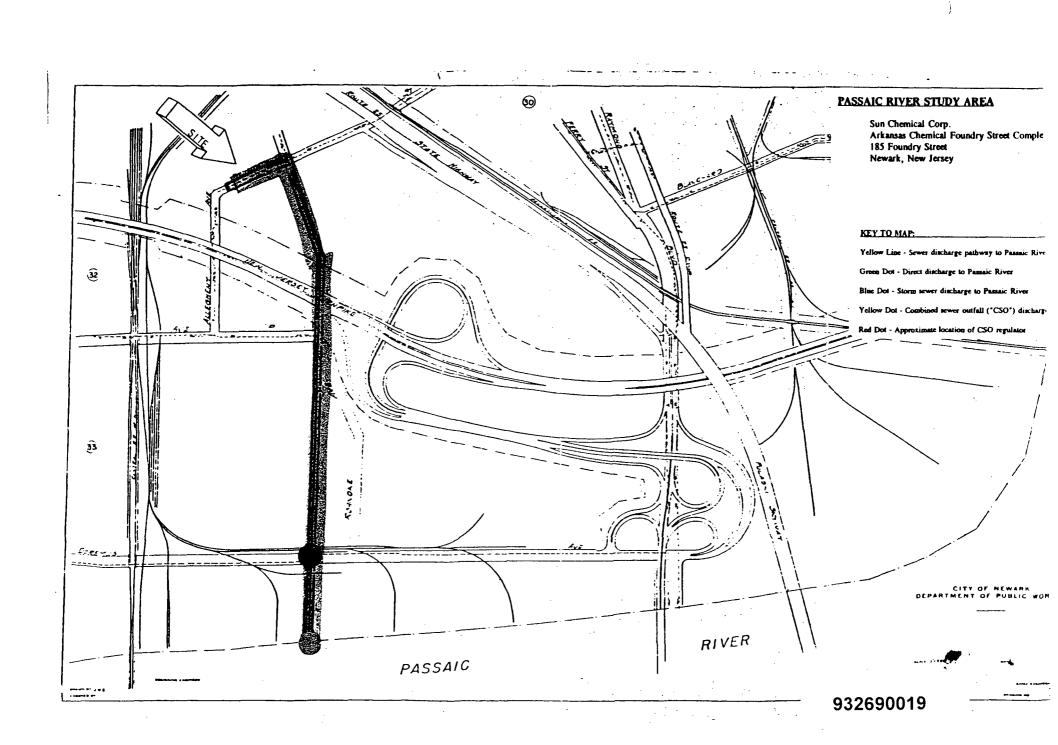
1

The Doremus Avenue interceptor receives flow from the Roanoke Avenue sanitary sever. Severe sedimentation was noted in this line. The first four lengths of 24-inch pipe apatreas from Wilson Avenue (D-1 to D-3) were constructed on a reverse grade and the fifth length (D-3 to D-6) laid flat. The invert at Wilson Avenue is 1.2 feet higher than the low point where the minimum flow depth is greater when half pipe. Further apatreas the never size changes from 24-inch to 22-inch and then to 20-inch in disseter. Sediment depth in the

SEQUA CORPORATION

TAB C

Graphical depiction of Sun Chemical discharge mechanism. Illustrates Sun Chemical discharge route via Roanoke Ave. CSO outfall; documents "highly polluting" discharge to river.



10/23/78 Letter from PVSC re discharge from the Sun Chemical facility

• Documents "highly polluting" discharge from Sun Chemical to the Passaic River

DAL02:71890.1

THOM/ 7 J. EIFELL!

POSEPH M. CEEGAN

DEERT J. BAVENPORT EN W. BORDON HARLES A. LABOS PASSAIC VALLEY SEWERAGE COMMISSIONERS

4201) 344-1800

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CARMINE T. PERRAPATO GEREUTIVE DIRECTOR

GOCCO D. RICCI

CHARLES C. CARELLA CHIEF COURSE.

PARTER BARMSTATTER

October 23, 1978

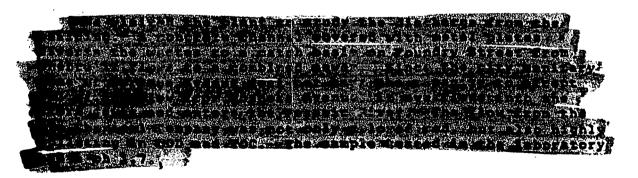
Mr. Ferri Lynch, Manager Passaic - Hackensack Region 100 Raymond Blvd. Newark, New Jersey 07102

Dear Mr. Lynch:

On Friday, October 13, you called me at 3:50 P.M. to inform me of a complaint of the eye of the Turnpike Bridge and Doramus Avenue. I investigate this pollution personally and also alerted Mr. Frank Cupo, Superintendent of River Inspection, and found that whatever had caused this pollution had ceased.

I had called you on Monday, October 16, to give you a report of our findings and also told you that we would continue our investigation.

This company produces a deep red organic pigment which is not water soluble but dispersible. Upon standing in a jar, it rises and floats on top of the water. This would account for its being visible on the surface of the Passaic River.



Arkansas Co. Inc. is a chemical company next door to Sun Chemical and uses the same concrete channel for its wastes. A sample taken from their line was also polluting in COD, TOC and had a pH 3.4. This sample was an opaque white.

Both of these companies were advised that they were in violation not only of polluting the Passaic River, but that their low pH discharge was illegal even in a sanitary sever. At Sun Chemical we spoke with Ralph Jaffe, Production Chemist, and at Arkansas Company we spoke with Chief Chemist, Herman Weiland.

Very truly yours,

ASG:dhb

cc: Ø. T. Perrapato

R. Ricci

E. Moller

F. Cupo

Sun Chemical Effluent Neutralization and pH Control Report, 06/04/79

Documents that all of Sun Chemical's production effluent was discharged to the PVSC system

DAL02:71890.1

SUN CHEMICAL CORPORATION

O. R. Marino

FROM

D. Ganguly

LOCATION

Rosebank

LOCATION

Rosebank

ANSWERING

DATE

June 4, 1979

SUBJECT Effluent Neutralization & PH Control System - Newark

116-962

used to direct the effluents to the neutralization tanks. The plant effluent flow rate averages at 60 gpm with peaks at the range 80-90 gpm.

Two neutralization, will be installed in series (as a cascade system) with one agitator on each tank. The instrumentation will be handled directly with two independent control loops. The first loop will have Immersion pH electrodes situated on the treatment tank so that when a highly acidic situation is sensed through the pH probes; the reagent (alkaline solution: caustic soda) can be added in the first tank through caustic valve. The second loop will have an Immersion pH electrode assembly mounted on outlet of tank #1. This Immersion assembly will check the first loop to make sure the acid was neutralized and if not, will operate a caustic valve approximately half the size of the first valve to add caustic to the second tank.

2-pen pH recorder will record the pH of the plant effluent before and after neutralization respectively.

ec: R. Munoz

R. Nanes

R. Riglian

R. Jaffe

